

FIG. 1

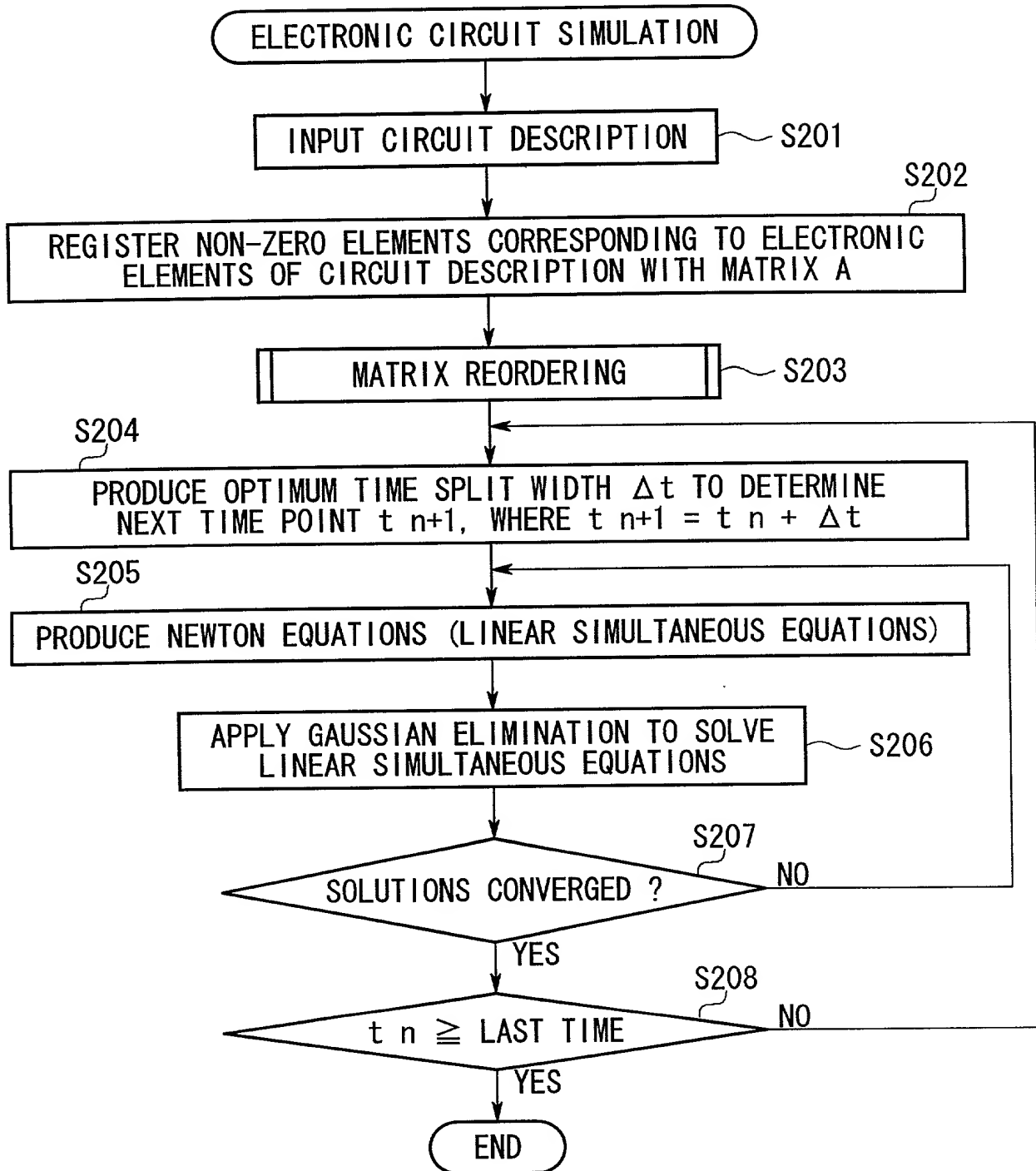


FIG. 2

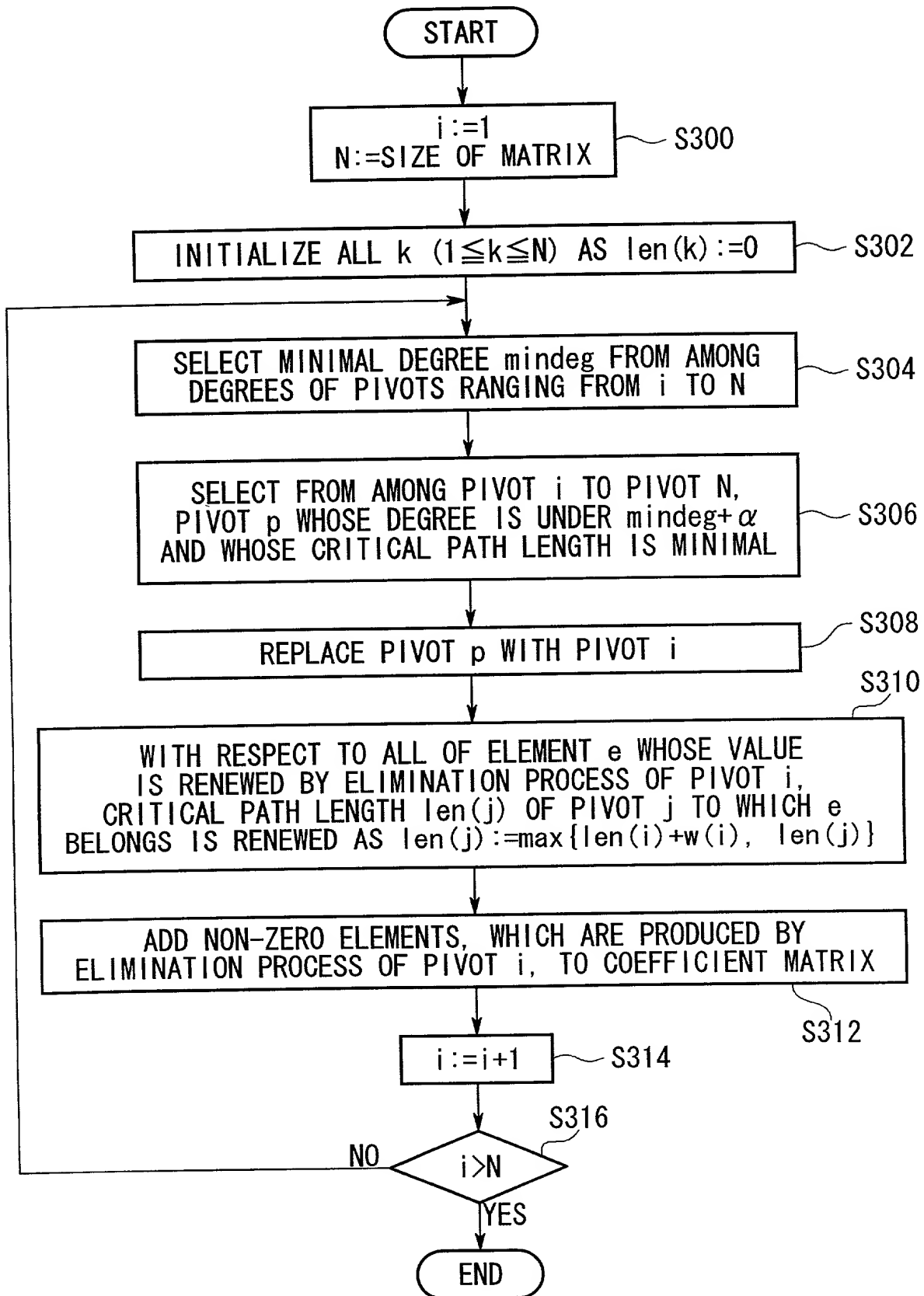


FIG. 3

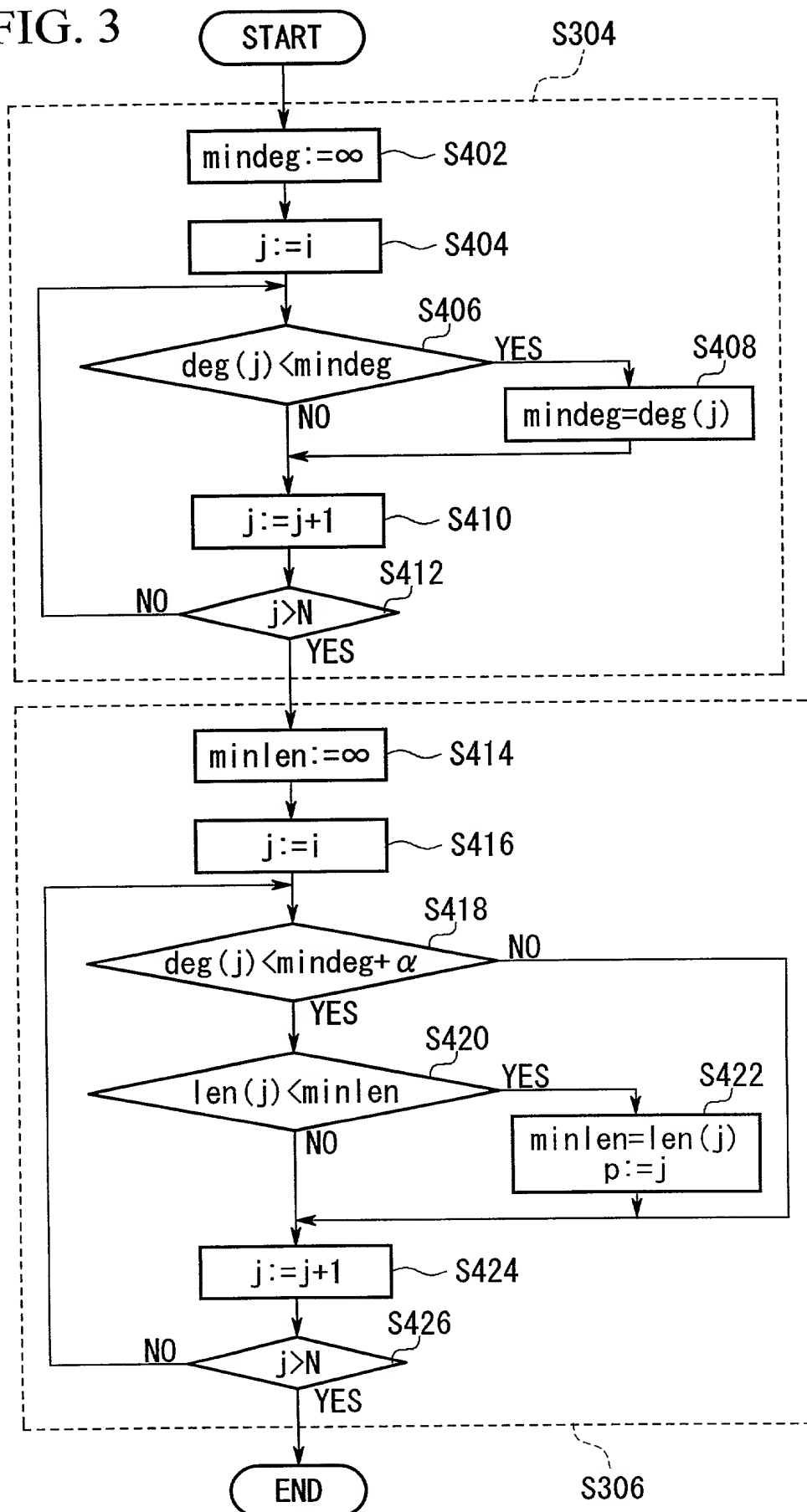


FIG. 4

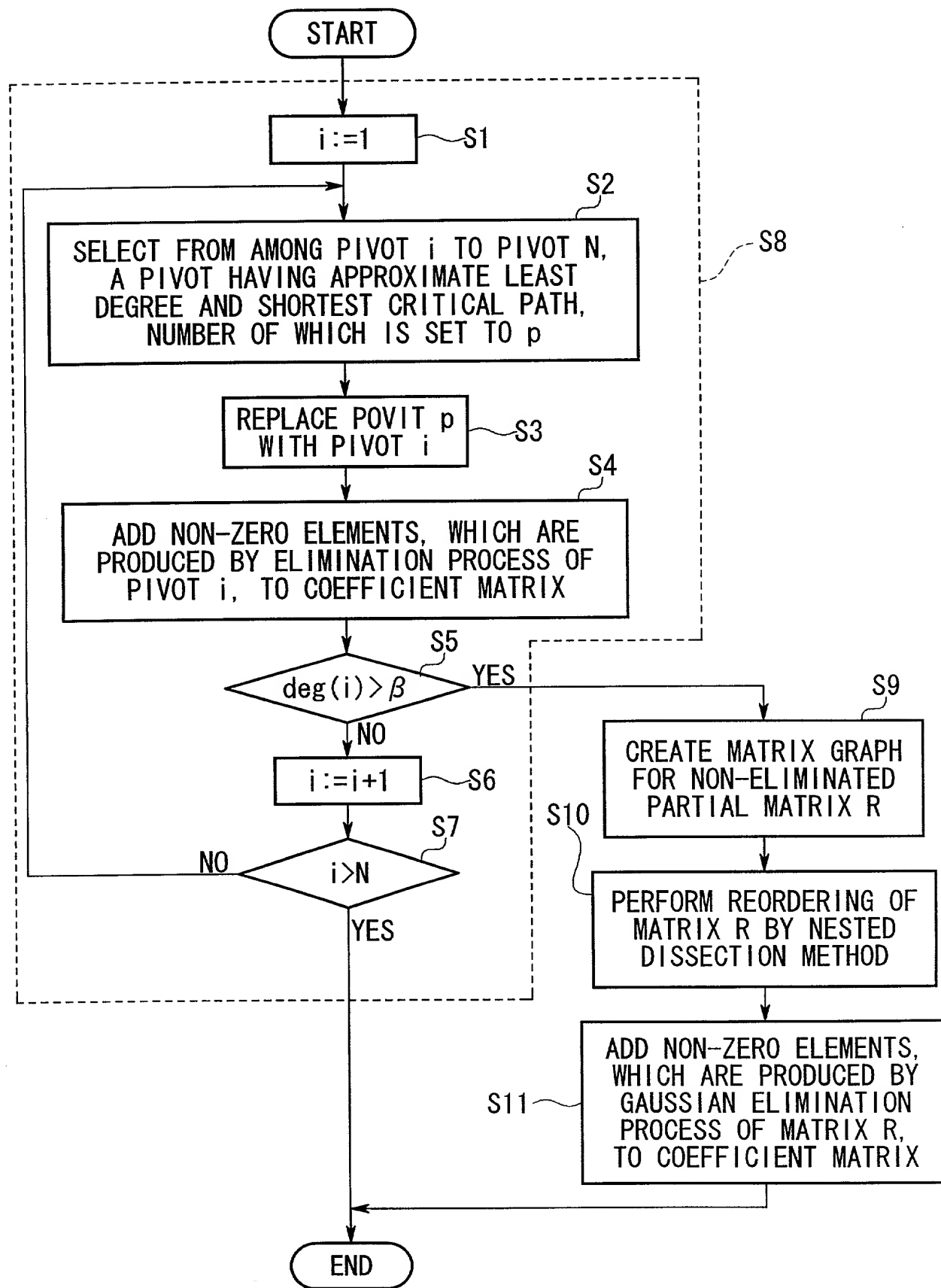


FIG. 5

```

for k=1:n-1
    for i=k+1:n
        if a(i,k) <> 0 then
            a(i,k) = a(i,k) / a(k,k)
            for j=k+1:n
                if a(k,j) <> 0 then
                    a(i,j) = a(i,j) - a(i,k) * a(k,j)
                end
            end
        end
    end
end
    
```

Annotations for FIG. 5:

- ELIMINATE COEFFICIENT k (points to the outer loop for k=1:n-1)
- DIVISION (points to the line $a(i,k) = a(i,k) / a(k,k)$)
- MULTIPLICATION (points to the line $a(i,j) = a(i,j) - a(i,k) * a(k,j)$)

FIG. 6

$\begin{bmatrix} \textcircled{4} & \times & & F \\ \times & \textcircled{5} & \times & \\ & \times & \textcircled{6} & \times \\ F & & \times & \textcircled{2} \end{bmatrix}$	\times	: NON-ZERO ELEMENTS
	\bigcirc	: NON-ZERO ELEMENTS
	(NUMBERS IN CIRCLES REPRESENT NUMBERS OF PIVOTS BEFORE REORDERING)	
	BLANK	: ZERO ELEMENTS
F	:	NON-ZERO ELEMENTS ADDED

FIG. 7

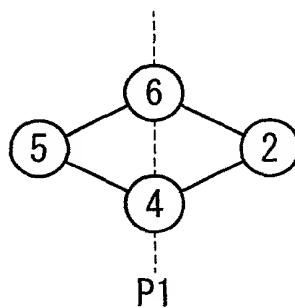


FIG. 8

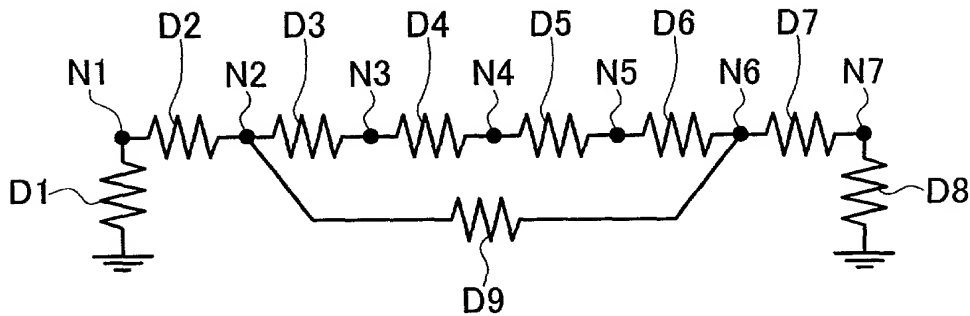
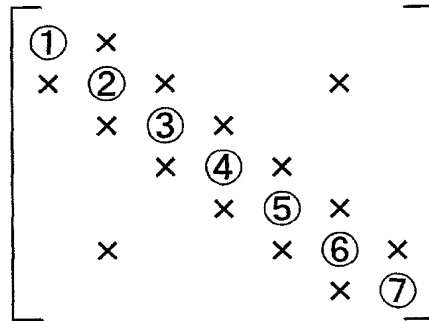


FIG. 9



\times : NON-ZERO ELEMENTS
 $\textcircled{}$: NON-ZERO ELEMENTS
 (NUMBERS IN CIRCLES REPRESENT
 NUMBERS OF PIVOTS BEFORE
 REORDERING)
 BLANK : ZERO ELEMENTS

FIG. 10

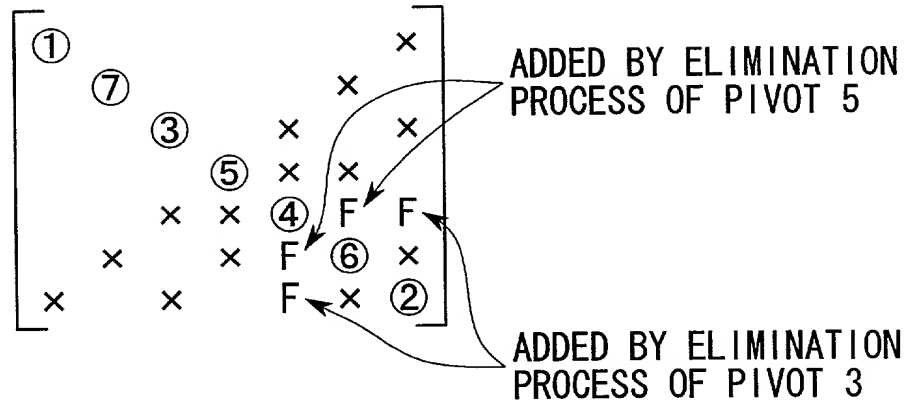


FIG. 11

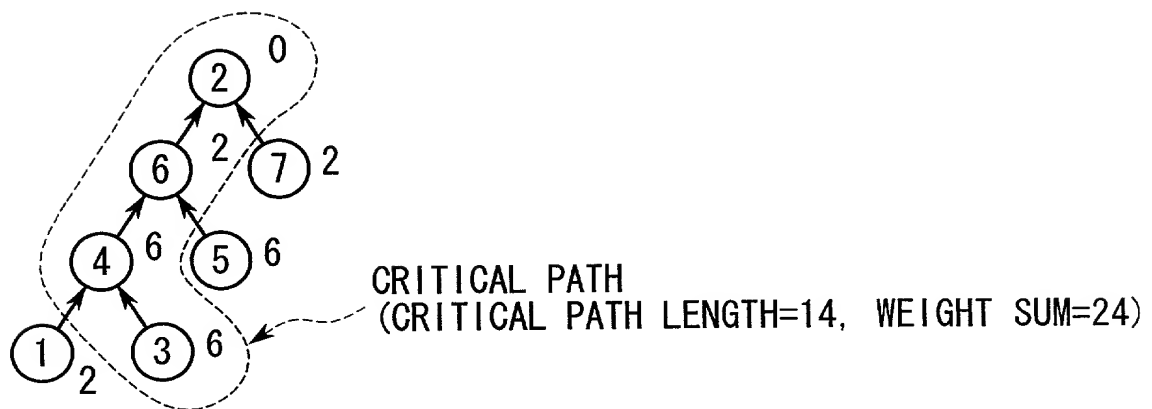


FIG. 12

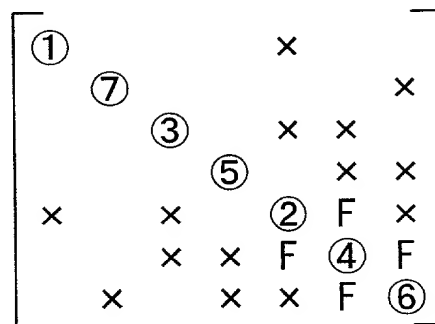


FIG. 13

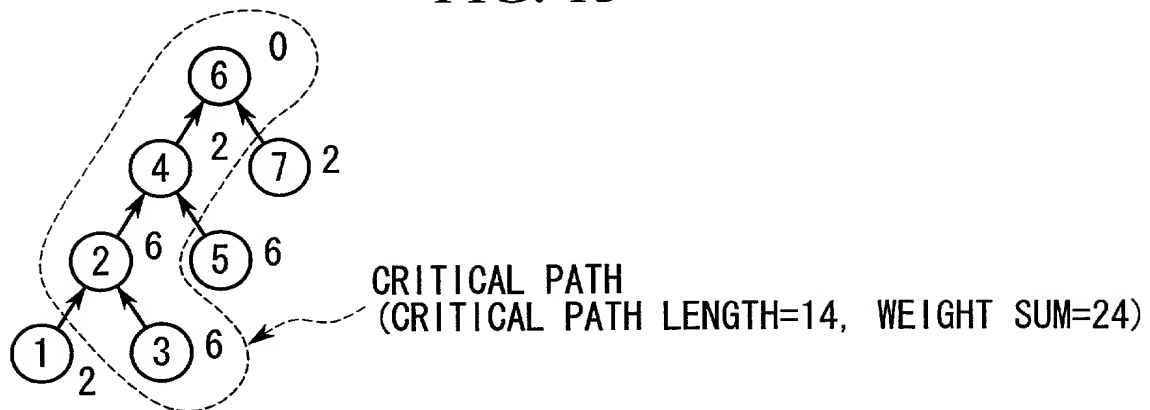


FIG. 14

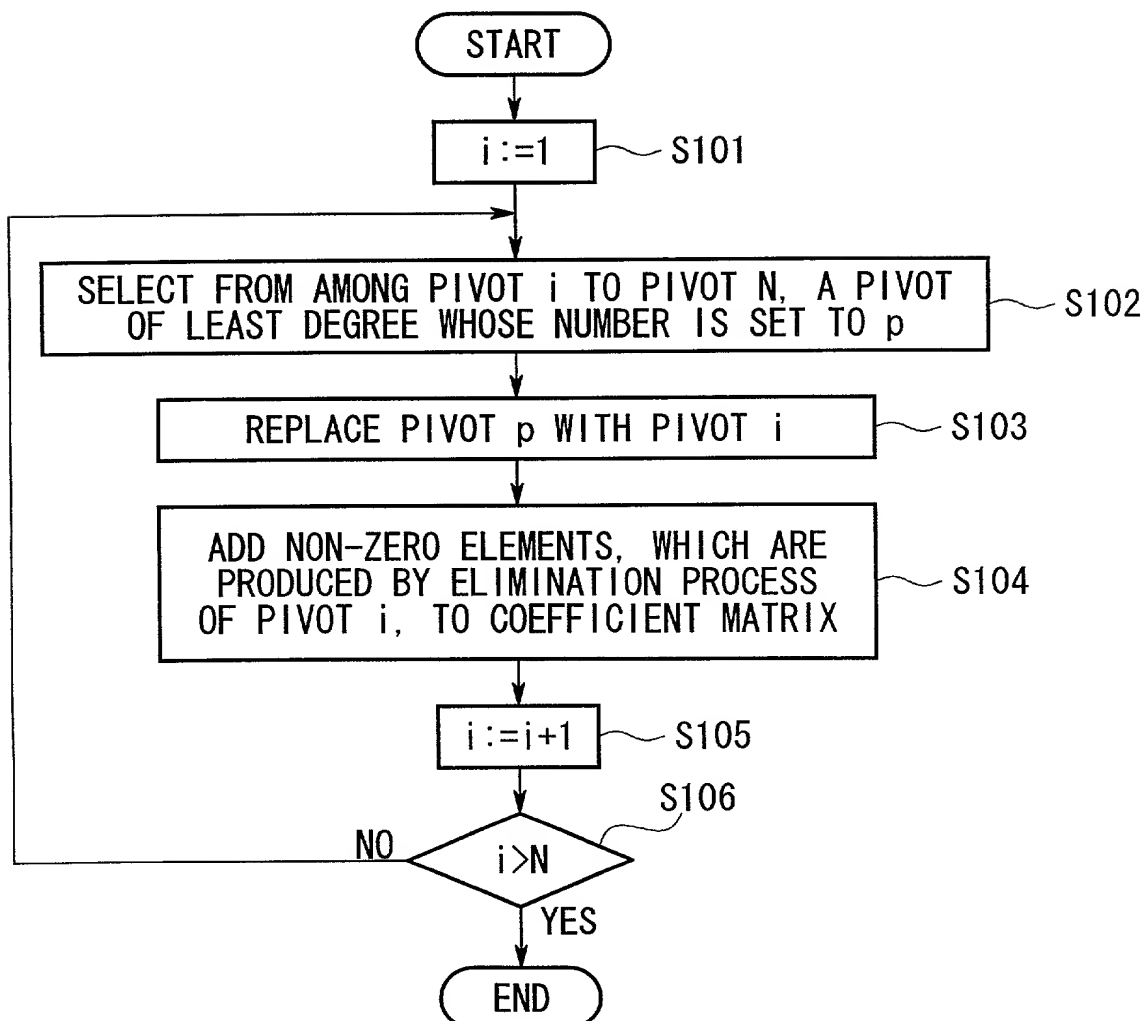


FIG. 15

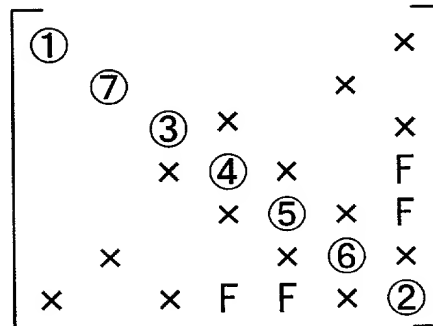


FIG. 16

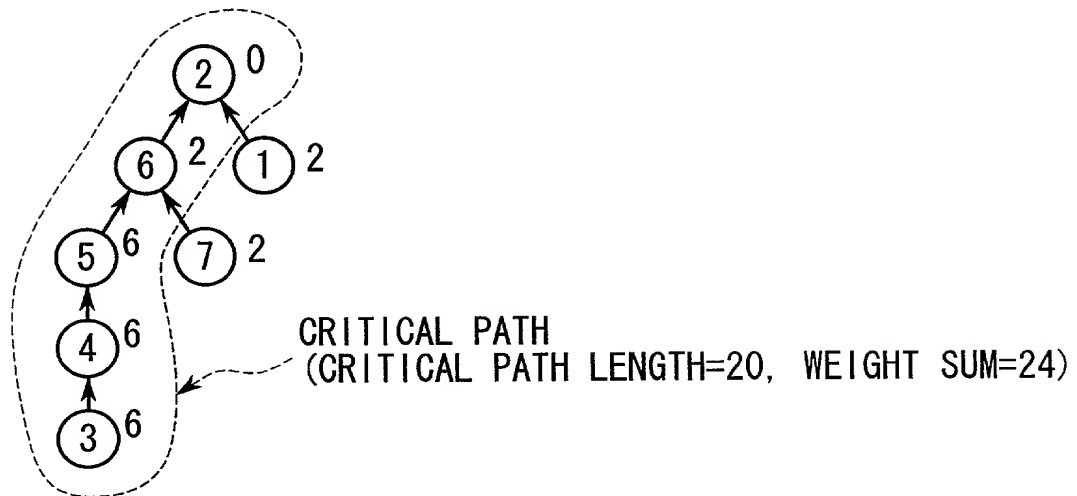


FIG. 17

